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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/658,648	09/09/2003	John D. Morris	5621-P1	3164
49459 NALCO COME	7590 03/18/200 PANY	EXAMINER		
1601 W. DIEHI		DESAI, RITA J		
NAPERVILLE, IL 60563-1198			ART UNIT	PAPER NUMBER
			1625	
			MAIL DATE	DELIVERY MODE
			03/18/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
	10/658,648	MORRIS ET AL.
Office Action Summary	Examiner	Art Unit
	Rita J. Desai	1625
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet with the c	orrespondence address
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period. - Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).
Status		
Responsive to communication(s) filed on 18 J This action is FINAL . 2b) ☑ This Since this application is in condition for allowed closed in accordance with the practice under the second se	s action is non-final. ance except for formal matters, pro	
Disposition of Claims		
4) Claim(s) 1-32 is/are pending in the application 4a) Of the above claim(s) 3-31 is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) 1,2 and 32 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/o	on from consideration.	
9) The specification is objected to by the Examina 10) The drawing(s) filed on is/are: a) accomposed as a composition and accomposition and accomposition is considered as a composition and accomposition and accomposition are considered. 11) The oath or declaration is objected to by the Examination.	cepted or b) objected to by the I drawing(s) be held in abeyance. See ction is required if the drawing(s) is object.	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) ☐ Acknowledgment is made of a claim for foreign a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority documento 2. ☐ Certified copies of the priority documento 3. ☐ Copies of the certified copies of the priority documento application from the International Bureatory * See the attached detailed Office action for a list	nts have been received. Its have been received in Applicationity documents have been received au (PCT Rule 17.2(a)).	on No ed in this National Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal F 6) Other:	ate

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 1/18/08 has been entered.

Claims 1,2 and 32 were under examination.

Claims 3-31 are withdrawn.

Applicants argue,

Applicants traverse the Examiner's rejection. None of the references teach the claimed compound. Therefore, the Examiner has argued obviousness. The Applicants infer from the Examiner's rejection that crux of the rejection is based on structural similarity of the compounds and

that one of ordinary skill in the art would be motivated to modify the prior art and make the claimed

invention. Moreover, Applicants infer from the Examiner's comments that the previous analysis was not persuasive because "the prior art compounds may inherently polymerize" and that the claimed superior property is ndt convincing because of that fact.

"A *primafacie* case of obviousness based on structural similarity is rebuttable by proof that the claimed compounds possess unexpectedly advantageous or superior properties." MPEP 2144.09

(citing In *re Papesch*, 315 F.2d 381,137 USPQ 43 (CCPA 1963)). Contrary to the Examiner's position, the prior art monomers are not polymerizable. Contrary to the prior art, the present invention teaches a composition containing a naphthalimide containing fluorescent moiety that is polymerizable and therefore possesses a superior property over the prior art compounds cited by the

Examiner. Therefore, Applicants contend that the showing of a superior property of the claimed compound rebuts the rejection of obviousness based on structural similarity.

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In view of the foregoing, Applicants request that pending claims I, 2 and 32 are allowed.

These arguments are not found to be persuasive at all.

There is nothing that states that applicants claims have unexpected properties,. The property of the compounds being fluorescent is expected from the prior art teaching. (see below).

Regarding applicants statement that the compounds are polymerizable and prior art compounds are not.

The examiner argues that there is nothing in the claim to say they are polymerizable. The claims are drawn to monomers. The compounds are similar in the prior art and inherently would also polymerize.

Senshu 1054436 teaches similar compounds. See formula I. It also clearly teaches that when the substance is dissolved or dispersed in a suitable liquid medium or when applied to a suitable material "emit a distinctive greenish blue fluorescence"

The compounds when dissolved or dispersed in a suitable liquid medium or when applied to a suitable material emit a distinctive greenish blue fluorescence in daylight or ultraviolet rays showing a wide absorption in the ultraviolet range. Further, the compounds generally have good stability and exhibit a good affinity with synthetic organic high molecular weight materials. The compounds of formula (I) thus have a durable optical whitening effect on the synthetic materials of high molecular weight .

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The preferred naphthalismide derivatives include N-alkyl 4-alkylthic naphthalismides, N - hydraxyalkyl - 4 - alkylthic - naphthalismides, 4 - alkylthic naphthalismides, N - (N', N' - dialkylthic naphthalismides, N - alkyl - 4 - alkylthic naphthalismides, N - alkyl - 4 - hydraxyalkylthic naphthalismides, N - alkyl - 4 - hydraxyalkylthic naphthalismides, N - alkyl - 4 (N', N' - dialkylthic naphthalismides and N - alkyl - 4 arythic naphthalismides, R, in the formula (1) may, for example, be a methyl, estyl, n - or iso-propyl, n - or iso-bodyl, n - or iso-propyl, n - or iso-bodyl, n -

Amongst the preferred compounds are the one when R1 is a quaternary ammonium group.

Thus the scope is very similar and these compounds are also fluorescent.

Kasai GB 1003083, and Noguchi JP 49-43688, and JP 47-12553. also disclose similar compounds.

See column 5 and 6 of '688.

The use is the same.

Kasai "083 also teaches the same use

Has more more relates to novel asplathalisable editipounds which, when applied to off-white materials, absorb otter-violet light from runlights or fluorescent light and emit the absorbed energy, to plue light, to processes for producing said compounds, and to a method of improvement by brightness of polymeric materials by treatment with said compounds.

According to one expect of the present invention there is provided a series of raphil made compounds which can be represented by the general formula:—

wherein R is a linear albert arms containing them the and a colon and a fact that

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In view of the recent KSR v Teleflex the rationales for making obviousness rejections are given by

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Bationales

(A) Combining prior art elements according to known methods to yield predictable results;

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(B) Simple substitution of one known element for another to obtain predictable results;

(C) Use of known technique to improve similar devices (methods, or products) in the same way;

(D) Applying a known technique to a known device (method, or product) ready for improvement to yield predictable results;

(E) "Obvious to try"—choosing from a finite number of identified, predictable solutions, with a reasonable expectation of success;

- (F) Known work in one field of endeavor may prompt variations of it for use in either the same field or a different one based on design incentives or other market forces if the variations would have been predictable to one of ordinary skill in the art:
- (G) Some teaching, suggestion, or motivation in the prior art that would have led one of ordinary skill to modify the prior art reference or to combine prior art reference teachings to arrive at the claimed invention.

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In this case it would fall within the E as it would be obvious to try with a predictable

expectation of success.

Conclusion

Claims 1, 2 and 32 stand rejected.

Claims 3-31 are withdrawn.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rita J. Desai whose telephone number is 571-272-0684. The examiner can normally be reached on Monday - Friday, flex time..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Janet Andres can be reached on 571-272-0867. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Rita J. Desai

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Primary Examiner Art Unit 1625

R.D. March 10, 2008

> /Rita J. Desai/ Primary Examiner, Art Unit 1625